

START

 9513358.0731

Mr. John Grantham
State of Washington
Department of Ecology
Nuclear & Mixed Waste Program
P. O. Box 47600
Olympia, WA 98504-7600

FLUOR DANIEL, INC.

Date: June 21, 1994

Reference: Hanford Waste Vitrification Plant
DOE Contract DE-AC06-86RL10838
Fluor Contract 8457

Transmittal No.: WDOE-947

Dear Mr. Grantham:

TRANSMITTAL

We enclose 2 copy of the items listed below. These are issued per US-DOE request.

Response due to Fluor: N/A
Responds to: A170 PACKAGE

NUMBER	REV	DATE	TITLE
DCN - 0195	0	06/20/94	DCN TITLE: REVISED TESTING SPEC. FOR GROUNDING RESISTANCE "APPROVED FOR CONSTRUCTION"

Reference: FRP-1456, FUP-874

Distribution:

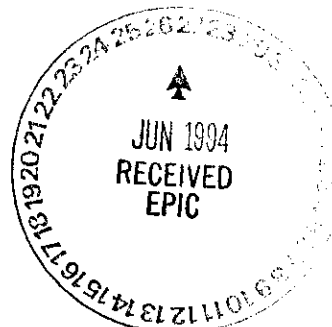
R. L. Long: DOE-RL, w/0
TWP/AME Corresp Cntrl Cntr, MSIN A5-10
(A170 PACKAGE), w/0
P. Felise, WHC-RL (MSIN G6-06), w/1
Environmental Data Management Center
(MSIN H6-08), w/1
D. Duncan, US EPA, Region X, w/0
M.D. Talbot, WHC -w/0

Very truly yours,

Nazy Eshraghi For

R.S. Poulter
Project Director

RSP:KKS:nre



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**FLUOR DANIEL**US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT**DESIGN CHANGE NOTICE****DCN - 0195**

REV 0

PAGE 1 OF 3

DCN TITLE
Revised Testing Spec. for
Grounding Resistance

DATE INITIATED

06-15-94

PACKAGE NO.
A170**SECTION 1: DESCRIPTION OF CHANGE**

1. Revised ground loop earth resistance requirements.

CAUSE OF
CHANGE:

- ☐ Field Change Request
☒ Supplier Disposition
☐ Deficiency Report
☐ Design Development
☐ Change Request
☐ TBD/Hold
☐ Other _____

FRR-01039A

Initiating Document(s)
SDR C170-07-5092-
728

FOR LIST OF AFFECTED DOCUMENTS, SEE SECTIONS 6 AND 7.

SECTION 2: EVALUATION

WAPA DWG/SPEC? ☒ NO ☐ YES
 QUALITY LEVEL 1 DWG/SPEC? ☒ NO ☐ YES
 SAFETY CLASS 1 OR 2 DWG/SPEC? ☒ NO ☐ YES
 SYSTEMS ANALYSES AFFECTED? ☒ NO ☐ YES
 MULTI-DISCIPLINE CHANGE? ☒ NO ☐ YES

IF "YES", ADDITIONAL
REVIEW REQUIRED BY:REVIEWER COMMENTS
AND SIGNATURE/DATEDCN Evaluated by: Systems [Signature] ADM [Signature] Others: _____**SECTION 3: APPROVED FOR CONSTRUCTION**

Originator [Signature] Date 6/20/94 Project/Resident Engineer [Signature] Date 6/20/94

SECTION 4: CONCURRENCE

Project Management _____ Date _____
 Systems _____ Date _____
 Independent Safety _____ Date _____
 Quality Assurance _____ Date _____
 Configuration Management _____ Date _____

SECTION 5: RELEASED FOR CONSTRUCTIONPE STAMP REQUIRED? ☐ NO ☒ YES

WHC _____ Date _____

UCAT _____ Date _____

DOE _____ Date _____

COMMENTS:



FLUOR DANIEL

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

9513358.0733

DCN - 0195

REV

0

DISCIPLINE

Electrical

PKG. NO.

A170

PAGE

2

PREPARED BY: M. Weimer

Date: 06-20-94

DISCIPLINE ENGINEER: K. K. Srivastava

Date: 06-20-94

SECTION 6: CONSTRUCTION DOCUMENTS AFFECTED

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	INCLD Y/N	DESCRIPTION OF CHANGE
Specification 16905	5	1	Electrical Testing	Y	Revised Paragraph 3.2.3.3 for loop earth resistance requirements.

SECTION 7: NON-CONSTRUCTION DOCUMENTS AFFECTED


This section references affected items such as P&IDs or calculations/analyses, but they are generally not included in DCN package.

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	DESCRIPTION OF CHANGE
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N/A

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- 3.2.3.3 The earth resistance of each ground electrode shall be measured and recorded before electrodes are connected to the grounding loop. ~~Electrodes in each ground loop shall be sufficient to give a ground loop earth resistance less than one ohm. Ground loop electrode tests may be suspended upon achieving required loop resistance. Ground loop resistance tests shall comply with NEC.~~

 FLUOR DANIEL		U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE	
DESCRIPTION OF CHANGE Revised ground loop earth resistance requirements.				BASE DOC. NO. A170-16905	
				SHT/PG. 5 REV. 0	
				DISCIPLINE: Electrical	
PREPARED BY: M. Weimer		DATE: 06-20-94		DCN - 0195	REV 0
DISCIPLINE ENGINEER: K. K. Srivastava <i>kk Srivastava</i>		DATE: 06-20-94			